

## PassPort® CPS R03.02.00 Customer Release Notes

The combinations of software in the table below include enhancements in the area of roaming and mobility. For further detail, please refer to Section I.

	Radio Firmware	PassPort Firmware	Motorola Customer Programming Software (CPS)	PassPort Customer Programming Software (PPCPS)
<b>HT1250-LS+™ Portable</b>	R05.03.00 or later	R06.02.13	R06.02.03 or later	R03.02.00
<b>CDM1550-LS+™ Mobile</b>	R05.02.03 or later	R06.02.13	R06.02.03 or later	R03.02.00

For further information regarding compatibility between the different versions of Radio Firmware, PassPort Firmware, Motorola Customer Programming Software and PassPort Customer Programming Software, please refer to the PassPort Software Compatibility document included in the PassPort CPS R03.02.00.

To access the PassPort Software Compatibility document, click on  
“Start > Programs > Motorola > PassPort CPS > PassPort Software Compatibility”.

To access the PassPort RSSI Charts, click on  
“Start > Programs > Motorola > PassPort CPS > PassPort RSSI Charts”.

**Note:** In order to view the PassPort Software Compatibility document or the PassPort RSSI Charts, Adobe Acrobat Reader is required.

For any questions, please contact Customer Resources at 1-800-927-2744.

## **I. PassPort CPS R03.02.00 Enhancements**

This version of PassPort CPS includes additional fields to customize the radio's search performance to maximize system resources.

### **Item #1: Assume Single Site Per Frequency**

On the Zone Data Window – RSSI Tab, a field “Assume Single Site Per Frequency” has been added. If checked, it allows the radio to determine RSSI qualification upon reception of the first PassPort message and proceed onto the next frequency by not waiting for the “Roaming Wait Time” to expire. This improves the speed of the site search (including strongest site search).

### **Item #2: RSSI Preemption Threshold**

On the Zone Data Window – RSSI Tab, a field “RSSI Preemption Threshold” has been added. The strongest site search can be optionally terminated or preempted by the reception of a PassPort signal that meets the Preemption Options and is above or equal to the “RSSI Preemption Threshold”. In order for RSSI preemption to work properly, “RSSI Preemption Threshold” must be greater than or equal to “RSSI Preferred”.

### **Item #3: Scan Hang Time**

On the Zone Data window – System Timers tab, “Scan Hang Time” is changed to a drop-down list and can be programmed with a zero in order to turn this timer off. Checkbox “Enable PP Group Talkback” is removed since it has no relationship with “Scan Hang Time”.

### **Item #4: RSSI Auto Enable in Fringe Areas**

On Zone Data Window – RSSI Tab, a checkbox “RSSI Auto Enable in Fringe Areas” and a timer have been added. When the radio is in a fringe area, if “RSSI Disable in Fringe Areas” is checked, the “RSSI Auto Enable in Fringe Areas” feature allows RSSI Thresholds to be re-enabled after the timer expires and attempt to register to a stronger site since the current site may not meet the “RSSI Minimum” signal strength.

### **Item #5: Number of Site/Frequency**

On Zone Data Window – RSSI Tab, the “Number of Site/Frequencies” field is removed and is replaced with “Assume Single Site Per Frequency”. This change simplifies programming of strongest site search.

### **Item #6: MIN and Talkgroup ID**

Range checking has been added for “MIN” and any “Talkgroup ID” (including “Primary Group ID”) on a per zone basis. The “MIN” must be less than the “Primary Group ID” and any editable “Talkgroup ID” on the Talkgroup Data Window.

### **Item #7: RSSI Delay Time**

On the Zone Data Window, range checking has been added between “RSSI Delay Time” on the RSSI tab and “Roam Delay Time” on the System Timers tab.

To prevent the radio from searching indefinitely, "RSSI Delay Time" must be greater than or equal to "Roam Delay Time".

**Item #8: RSSI Home Lookback Threshold**

On the Zone Data Window – RSSI tab, range checking has been added between "RSSI Home Lookback Threshold" and "RSSI Preferred". To allow the radio to find and register to a site properly, "RSSI Home Lookback Threshold" must be greater than or equal to "RSSI Preferred".

**Item #9: Disable Roam**

On the Zone Data Window – System Info tab, when roaming is disabled, all programmable features related to roaming have no effect. If "Disable Roam" is checked, the following features are automatically disabled: "RSSI Home Lookback Threshold", "Home System Lookback Time", "Strongest Site Search Enable", "RSSI Preemption Threshold", "Preemption Option", and "Only Search Neighbors from Selected Zone's HSID".

**Item #10: Roaming Timers**

To ensure the radio finds and registers to a site, the "Roam Delay Time" must be greater than or equal to 10 seconds and the "Roaming Wait Time" must be greater than or equal to 2 seconds on the Zone Data Window – System Timers tab.

## **II. PassPort CPS R03.02.00 Corrections**

**Item #1: "Write to Device" Icon**

In the previous software release, when there is any open window with programming changes, clicking the "Write to device" or "Save Codeplug File" icons in the tool bar would write the original programming information to the radio or codeplug file. Now, a "Save Changes" message box is displayed. Clicking the "Ok" button writes updated programming information to the radio or codeplug file.

**Item #2: RSSI Thresholds**

In the previous software release, on the Zone Data Window – RSSI tab, when "RSSI Minimum" is greater than or equal to "RSSI Preferred", clicking the up button for "RSSI Minimum" would increment both values by 2. Now, an error message is displayed for "RSSI Minimum" and is automatically set to the value of "RSSI Preferred".

**Item #3: Blank Fields Checking**

In the previous software release, when pressing "Done" button or "Alt + D" key, blank fields on Zone Data Window would not display an error message. Now, it has been corrected such that an error message is displayed for blank fields on the current tab first, then empty fields on the other tabs are searched.

**Item #4: Close All Windows**

In the previous software release, "Close All" menu wouldn't generate the "Save Changes" message consistently. Now, if Customer Information has not been

changed for any open window, "Close All" does not generate the "Save Change" message, unless there are changes to be saved.

**Item #5: Programming Notes**

In the previous software release, the "Programming notes" field in the General Information Window sometimes would not save when the "Close All" menu was selected. Now, the Programming notes" saves correctly.

**Item #6: Save Print Summary**

In the previous software release, pressing the "Cancel" button after pressing the "Save to Files" button in the Print Summary Window would save the summary to the "PrintSummary.txt" file. Now, the file is not saved when the "Cancel" button is clicked.

**Item #7: Feature Menu Item Rename**

Menu item names for "Zone Data" and "Button Data" in feature menu are corrected to "PassPort Zones" and "PassPort Buttons".

### **III. PassPort CPS R03.02.00 Known Issues**

**Item #1: Home Revert Information**

If while reading the radio, the programming cable is disconnected at the time the message "Done reading the radio personality" is displayed in the status bar, the "Home Revert Zone" and "Home Revert Talkgroup" will always display the first zone information defined in the Motorola CPS.

To display the correct "Home Revert" information, please wait until the Splash Window (displaying PPCPS Version R03.02.00) completely disappears and the Tree View window appears before disconnecting the programming cable.

## **IV. Programming Hints**

### **A. Adding and Deleting Zones**

To add/delete a zone, the zone should be added/deleted in the CPS before adding/deleting the zone in PPCPS. The correct sequence of operations are as follows:

1. Add/delete the zone in CPS by clicking "+" or "-" in the Personality Assignment to Zone window.
2. Write to the radio by clicking the "Write Device" icon in the tool bar and once it is complete switch the radio to a PassPort zone.
3. Click on the link icon in the tool bar to launch the PPCPS.
4. Read the radio by clicking the "Read Device" icon in the tool bar.
5. Add/delete the zone in PPCPS by clicking "+" or "-" in the PassPort Zone and Talkgroup Data window.
6. Write to the radio by clicking the "Write Device" icon in the tool bar.

### **B. Motorola CPS Programming**

When programming the following features, they need to be assigned and programmed in CPS before assigning and programming the features in PPCPS.

- Volume Set
- Toggle Keypad Lock on/off
- Toggle High/Low Power
- LED Battery Indicator
- Toggle Phone Mode
- Speed Dial (Memory)
- Light
- Home Revert
- Scan List Edit
- Emergency Siren On
- Emergency Siren Off
- Voice Storage Playback
- Voice Storage Playback Exit
- Voice Storage Record
- Voice Storage Delete

The correct sequence is as follows:

1. Assign one of the above features to a button and click close button to confirm the changes.
2. Write to the radio by clicking the "Write Device" icon in the tool bar and once it is complete switch the radio to a PassPort zone.
3. Click on the link icon in the tool bar to launch the PPCPS.
4. Read the radio by clicking the "Read Device" icon in the tool bar.
5. Select the feature that is just carried over from CPS in the drop-down list and assign it to the same button.
6. Write to the radio by clicking the "Write Device" icon in the tool bar.